USTYUZHANIN, G.Ye.; KOGAN, E.M.; TIKHOMIROVA-SIDOROVA, N.S.; DANILOV, S.N.

New data on the structure of xylitol dianhydride. Zhur.ob.khim. 32 no.11:3622-3627 N '62. (MIRA 15:11)

1. Institut vysokomolekulyarnykh soyedineniy AN SSSR.
(Xylitol) (Anhydrides)

YEFIMOVA, G.A.; USTYZHANIN, G.Ye.; TIKHOMIROVA-SIDOROVA, N.S.; DANILOV, S.N.

Reactions of 2-tosyl-1,4-3,5-dianhydroxylite with amines. Zhur. ob. khim. 33 no.5:1429-1431 My '63. (MIRA 16:6)

1. Institut vysokomolekulyarnykh soyedineniy AN SSSR.
(Xylitol) (Toluenesulfonic acid)
(Amines)

USTYI ZHANIIN, G. Ye.; KOL'TSOV, A.I.; TIKHOMIROVA-SHIKOROVA, N.S.; DANILOV, S.N.

Structure of 1,4-xylitane dianhydroxylite and acetals. Zhur. ob. khim. 34 no.12:3905-3907 D '64 (MIRA 18:)

1. Institut vysokomolekulyarnykh soyedineniy AN SSSR.

KOCHKINA, L.V.; TIKHOMIROVA, Ye.I.

Processing of antifoam agents used in molasses alcohol plants.
Spirt. prom. 25 no.6:22-24 '59. (MIRA 12:12)
(Alcohol) (Foam)

DERYABINA, I.; TIKHOMIROVA, Zh.; SHINKEVICH, L.

Coordinating conference on the problem of "Labor resources of the U.S.S.R." Biul. nauch. inform.: trud i zar. plata 5 no.4: 34-39 '62. (MIRA 16:1)

(Labor supply—Congresses)

TIKHOMIROVA, Z.T., inzh.; BUKHGOL'TS, V.P., kand. tekhn. nauk

Calculation of the permeance of an inductive transducer with complex configuration. Elektrichestvo no.11:72-75 N '63. (MIRA 16:11)

1. Vsesoyuznyy zaochnyy energeticheskiy institut (for Tikhomirova). 2. Institut gornogo dela imeni Skochinskogo.

TIKHOMIROVA, Z.T., inzh.

Evaluation of methods of designing magnetic circuits with air gaps for engineering devices and apparatus. Elektrichestvo no.1: 42-48 Ja '61. (MIRA 14:4)
(Electronic apparatus and appliances)

EXCERPTA MEDICA Sec.12 Vol.11/4 Ophthalmology Apr57

686. TIKHOMIZOV P. *Intracapsular extraction by the erysiphake (Russian text) VESTN.OFTAL. 1956, 4 (35-37)

The author used Bell's simplified erysiphake in 25 cataract extractions. The age of the patients was from 62 to 83 yr., in 19 patients the cataract was mature. The erysiphake and its use are described in detail. In 12 patients, the lens was extracted on the 1st application of the erysiphake, in one after 3 applications. In 12, the suction was not sufficiently strong and the operation was finished by using Elschnig's forceps, or if the capsule was torn by the erysiphake, an extracapsular extraction was done. The author believes that the erysiphake should be on hand at every cataract operation. Sitchevska - New York, N.Y.

TIKHOMOLOVA, K.P.

Electroosmosis and diffusion potential associated with two-layer powder membranes. Vest. LGU 15 no.4:106-116 '60. (MIRA 13:2)
(Electroosmosis) (Diffusion) (Membranes (Chemistry))

GRIGOROV, O.N., prof.; KARPOVA, I.F.; KOZ'MINA, Z.P.; TIKHOMOLOVA, K.P.; FRIDRIKHSBERG, D.A.; CHERNOBEREZHSKIY, Yu.M.; MYASNIKOVA, L.B., red.

[Manual on laboratory work in colloid chemistry] Rukovodstvo k prakticheskim rabotam po kolloidnoi khimii. Izd.2., perer. i dop. Moskva, Khimiia, 1964. 330 p. (MIRA 18:3)

TIKHOMOLOVA, K. P.

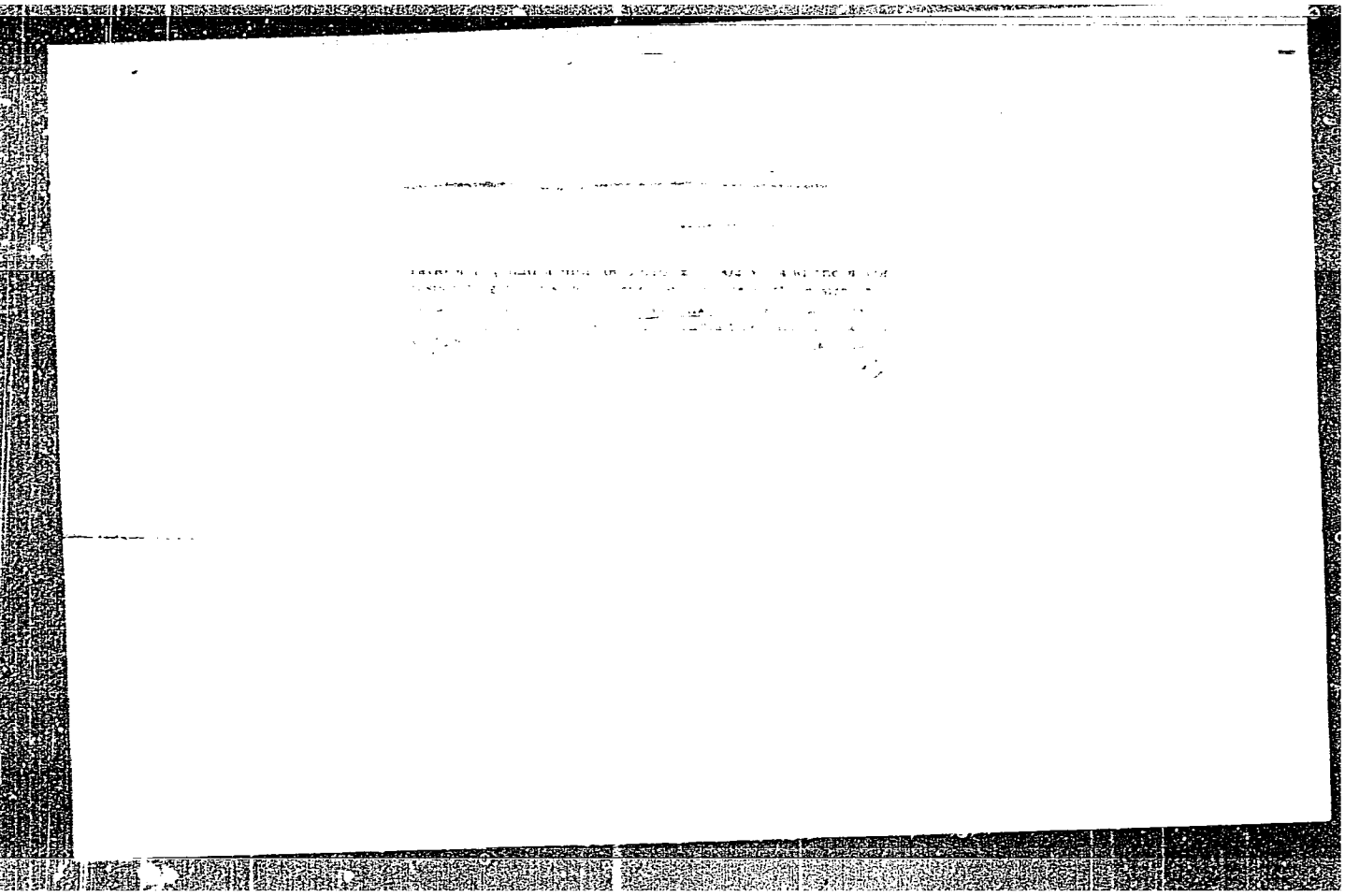
"Investigating Electro-Osmosis and Flow Potention in Capillary Systems of Complex Structure and Composition." Cand Chem Sci, Leningrad State U, Leningrad, 1954. (RZhKhim, No 3, Feb 55)

SO: Sum. No. 631, 26 Aug 55-Survey of Scientific and Technical Dissertations Defended at USSR Higher Educational Institutions (14)

GRIGOROV, O.N.; TIKHOMOLOVA, K.P.

A study on electroosmosis in capillary systems of varying charge and structure [with summary in English]. Koll.zhur. 19 no.4:406-411 Jl-Ag '57. (MIRA 10:10)

1.Leningradskiy gosudarstvennyy universitet im. A.A. Zhdanova.
(Capillarity) (Electroosmosis)



[illegible], L.I.

Effect of electroosmosis on the displacement of kerosine by water in a porous medium. Izv. vuz. no.4:513-517 Jl-Ag '62.
(MIRA 17:9)

1. Leningradskiy universitet, Khimicheskiy fakul'tet.

GRIGOROV, O.N.; TIKHOMOLOVA, K.P.

Effect of electroosmosis on the displacement of kerosine and petroleum by water from a porous medium. Part 2: Effect of imparting the hydrophobic properties to quartz by surface-active agents on the efficiency of the extraction of kerosine and petroleum. Koll.zhur. 27 no.3:334-337 My-Je '65. (MIRA 18:12)

1. Leningradskiy universitet imeni Zhdanova. Submitted Sept. 23, 1963.

TIKHOMOLOVA, M. P.

2808. IZUCHENIYE REAKTSIY SVOBODNYKH RADIKALOV S SEROY V SVYAZI S PROTSESSOM VULKANIZATSIY. L. 1954. 12c 22cm. (AKAD. NAUK SSSR. IN-T VYSOKOMOLEKULYARNYKH SOEDINENIY). 100 EKZ BESTSL. - (54-54928)

SO: KNIZHANAYA LETOPIS. VOL. 2, 1955

TIKHOMOLOVA, M. P.

"Studying the Reactions of Free Radicals with Sulfur in Connection with the Vulcanization Process." Cand Chem Sci, Inst of High-Molecular Compounds, Leningrad, 1954. (KL, No 2, Jan 55)

Survey of Scientific and Technical Dissertations Defended at USSR Higher Educational Institutions (13)
SO: Sum. No. 598, 29 Jul 55

TIKHOMOLOVA, M. P.

USSR/Organic Chemistry - Theoretical and General Questions on Organic Chemistry, E-1

Abst Journal: Referat Zhur - Khimiya, No 19, 1956, 61379

Author: Tinyakova, Ye. I., Dolgoplosk, B. A., Tikhomolova, M. P.

Institution: None Inst. High Molecular Compounds, AS USSR

Title: Reactions of Free Radicals in Solutions. III. Study of the Reactions of Free Radicals with Sulfur

Original Periodical: Zh. obshch. khimii, 1955, 25, No 7, 1387-1394

Abstract: A study of the reactions of methyl, ethyl, isopropyl and allyl free radicals with S and polysulfides. As a source of free radicals use was made of alkyl phenyltriazenes and azobenzene (mechanism of reaction, see communication II, Referat Zhur - Khimiya, 1955, 40009). As solvent was chosen isopropylbenzene (I) in order to evaluate the competing reactions of free radicals with S and with the solvent. A solution of 3.2 mol % triazene and S (6-8 mol per 1 mol triazene) in I was heated at 112° until evolution of gas ceased. It is shown

Card 1/3

USSR/Organic Chemistry - Theoretical and General Questions on Organic Chemistry, E-1

Abst Journal: Referat Zhur - Khimiya, No 19, 1956, 61379

Abstract: that free radicals are almost completely taken up by S with the formation of alkyl polysulfides which are the primary products of the reaction and do not depend on the presence of by-products of the reaction, namely amines, in the reaction medium. The above-stated radicals differ greatly by their activity in the reaction of removal of H from I and differ but little in the reaction with S due to the lower energy of activation of this reaction. On reaction of allyl radical with S are formed diallylpolysulfides with a low yield which is explained by the instability of these products. On interaction of azobenzyl [sic] with S (1:13.7) H_2S is formed with a yield of 81-87% and benzaldazine (II), yield 51%. Formation of H_2S and II is the result of oxidation of azabenzyl by S. The author assumes that such reactions of dehydrogenation are also possible in rubbers containing diallyl groupings. It is shown that on [redacted]action of methyl radical with S in the presence of mercaptans (or H_2S) there takes place removal of hydrogen from mercaptan (or H_2S) with formation of hydrocarbons and the radicals RS (or SH). Studied is the reaction of methyl radical with

Card 2/3

USSR/Organic Chemistry - Theoretical and General Questions on Organic Chemistry, E-1

Abst Journal: Referat Zhur - Khimiya, No 19, 1956, 61379

Abstract: polysulfides (dilauryltetrasulfide and dibenzyltetrasulfide), which confirmed the fact that the polysulfides formed in the course of the reaction react with free radicals the same as elemental S. It is shown on the example of dimethylpolysulfide using S^{35} that under these conditions are formed molecules of dimethylpolysulfide containing on the average 6 atoms of sulfur.

Card 3/3

STARODUBTSEV, S.V.; TIKHOMOLOVA, N.P.; AYZENSHTAT, Ye.L.; TASHMUKHAMEDOVA, K.

Effect of ionized radiation on carbohydrates. Part I: Formation of formaldehyde and 1,3-dihydroxyacetone in the course of gamma-raying of aqueous solutions of glucose, fructose, and maltose. Zhur.ob.khim. 31 no.9:3115-3118 S '61. (MIRA 14:9)
(Saccharides) (Gamma rays)

L 10732-63 EPR/EWP(j)/EPF(c)/EST(m)/PDS AFFTC/ASD Ps-4/Pc-4/
Pr-4 RM/WW
ACCESSION NR: AP3000222 S/0166/63/000/002/0061/0064 73

AUTHOR: Kleyn, G. A.; Tikhomolova, M. P.; Ayzenshtat, Ye. L.; Sultanova, M. 72

TITLE: Change in properties of triacetate fiber under effect of gamma rays 15

SOURCE: AN UzSSR. Izv. Seriya fiziko-matem. nauk, no. 2, 1963, 61-64

TOPIC TAGS: gamma irradiation, triacetate fibers

ABSTRACT: The change in properties of triacetate fiber No. 100 subjected to gamma irradiation and the influence of experimental conditions on the rate of radiolytic decomposition have been investigated. In particular, the radiative destruction of clean and greasy fibers with different moisture contents was studied in a nitrogen atmosphere and air. It was found that irradiation reduces the viscosity, strength, and relative elongation of specimens. Radiative stability is higher in fibers irradiated in air than in nitrogen. The characteristic viscosity of specimens exposed to $2 \cdot 10^6$ r in nitrogen and air dropped to 1.7 and 1.9, respectively; that of specimens exposed to $5 \cdot 10^6$ r, to 1.0 and 1.3. It is shown that air-dried specimens are more resistant to irradiation than moistened specimens. The degree of polymerization of air-dried fibers dropped to 430 and 330 with doses

Card 1/2

L 10732-63
ACESSION NR: AP3000222

of $2 \cdot 10^6$ and $5 \cdot 10^6$, respectively; that of fibers moistened to 40 and 1000%, to 330 and 220. It was proved that greasing reduces the influence of a gaseous medium on the radiative destruction of fibers. The characteristic viscosity of greased fibers in a nitrogen oxide atmosphere and in air dropped to 1.75 and 1.0, respectively; under the same conditions, the viscosity of clean fibers was 2.0 and 1.3. Orig. art. has: 2 figures, 1 formula, and 2 tables.

ASSOCIATION: Fiziko-tekhnicheskiy institut AN UzSSR (Physicotechnical Institute AN Uzbek SSR

SUBMITTED: 10Dec62 DATE ACQ: 12Jun63 ENCL: 00

SUB CODE: NS,MA NO REF SOV: 005 OTHER: 004

Card 2/2

TIKHOMITOV, M. N.

Russian Literature - History and Criticism

"Tale of the march of Stefan Batory on the city of Pskov." Reviewed by M. N. Tikhomitov. Izv. AN SSSR Otd. lit. i iaz. 12, no. 2, 1953.

Monthly List of Russian Accessions, Library of Congress, June 1953. Unclassified.

TIKHOMOLOVA, O.N.

Course of tuberculous meningitis in children with osteoarticular tuberculosis. Sbor. trud. Uz. nauch.-issl. tub. inst. 3:136-140 '57. (MIRA 14:5)

1. Ordinator Respublikanskogo kostno-tuberkuleznogo sanatoriya imeni V.I.Lenina.
(MENINGES—TUBERCULOSIS) (BONES—TUBERCULOSIS)

TIKHOMOROV, V. V. and KHAIN, V. Ye.

Mbr., Moscow Geological Prospecting Institute, -1947-

Mbr., Geology Institute, Acad. Sci., - 1947-

"Underwater Landslides Cave-Ins in Tertiary Strata of Northeastern Azerbaydzhan," Dok. AN, 58, No. 1, 1947

TIKHOMOROV, V. V. and KHAIN, V. Ye.

Mbr. Moscow Geological Prospecting Institute, -1947-.

Mbr., Geology Institute, Acad. Sci., -1947-

"Underwater Landslides Cave-Ins in Tertiary Strata of Northeastern Azerbaydzhan," Dok. AN, 58, No. 1, 1947

1. TIKHON, Ab ot
2. USSR (600)
4. Krasnoyarsk, Crthodox Eastern Church in
7. Prelatic services in the city of Krasnoyarsk. Zhur. Mosk. Patr. no.9 1952

9. Monthly List of Russian Accessions, Library of Congress, March 1953, Uncl.

TIKHONCHUK, L.M. [Tykhonchuk, L.M.]

Antitoxic function of the liver in children with rheumatic fever.
Ped., akush. i gin. 20 no.1:31 '58. (MIRA 13:1)

1. Klinika detskikh bolezney lechebnogo fakul'teta (zav. - dots. V.P. Chernyuk) Odesskogo gosudarstvennogo meditsinskogo instituta im. M.I. Pirogova (direktor - prof. I.Ya. Deyneka).
(LIVER) (RHEUMATIC FEVER)

TIKHONCHUK, L.N.; YUZEFOVICH, Ye.K.

Changes in the polysaccharides of the blood serum in rheumatic children depending upon the method of treatment. Vop.revm. 2 no.3:61-65 Jl-S '62. (MIRA 16:2)

1. Iz kafedry pediatrii pediatricheskogo fakul'teta (zav. - doktor med.nauk prof. V.I. Zuzanova) i kafedry detskikh bolezney lechebnogo fakul'teta (zav. - doktor med.nauk prof. V.P. Chernyuk) Odesskogo gosudarstvennogo meditsinskogo instituta.
(RHEUMATIC FEVER) (POLYSACCHARIDES)

TIKHONCHUK, L.N.

Functional state of the liver in children with rheumatic fever following compound therapy (medicamentous & mud therapy). Pediatriia 37 no.4:12-17 Ap '59. (MIRA 12:6)

1. Iz kliniki detskikh bolezney lechebnogo fakul'teta (zav. - dotsent V.P.Chernyuk) Odesskogo meditsinskogo instituta imeni N.I.Pirogova (dir. - zasluzhennyy deyatel' nauki USSR prof. I.Ya.Deyneka).

(RHEUMATIC FEVER, physiol.
eff. of drug ther. & mud ther. on liver funct. (Rus))
(LIVER, in various dis.
rheum. fever, eff. of drug ther. & mud ther. (Rus))
(MUD THERAPY, in various dis.
rheum. fever, eff. on liver funct. (Rus))

PERKHUROV, V.S.

Tissue characteristics of experimental burnscas in rats. Arkh. anat., gist. i embr. 47 no.8:40-45 Ag '64.

(MIRA 18:4)

1. Kafedra gistologii i embriologii (zav. - chlen-korrespondent AMN SSSR prof. S.I.Shabelkunov) Voyenno-meditsinskoy ordena Lenina akademii imeni Kirova, Leningrad.

TIKHONCHUK, Yu.N.

Book on the transportation of beets ("Organization of rail transportation of sugar beets" by I.R. Veber, E.I. Levandovskii, A.A. Leshchinskii, V.P. Nesterov. Reviewed by IU.N. Tikhonchuk). Sakh.prom. 31 no.8:75-76 Ag '57. (MIRA 10:9)
(Sugar beets--Transportation)

VECHERIN, Ya.P., inzh.; DERIBAS, A.T.; DOBROSEL'SKAYA, A.F., kand.tekhn. nauk; PLADIS, F.A., inzh.; TIKHONCHUK, Yu.N., kand.ekon.nauk

Cooperative use of engineering equipment resulting from the combination of transportation systems. Vest.TSNII MPS 18 no.2:21-25 Mr '59. (MIRA 12:6)
(Railroads--Equipment and supplies)

LEONT'YEV, Andrey Pavlovich, inzh.; TIKHONCHUK, Yuriy Nikolayevich, kand.ekonom.nauk; GRISHCHENKOV, A.S., red.; VERINA, G.P., tekhn.red.

[Loading freight cars to their full capacity] Ispol'zovanie gruzopod"emnosti vagonov. Moskva, Gos.transp.zhel-dor.izd-vo, 1959. 265 p. (MIRA 12:6)
(Railroads--Freight cars) (Loading and unloading)

YEROFEYEV, Ye.V.; KOGAN, A.N.; STEPANOV, N.A.; TIKHONCHUK, Yu.N.; UGODIN, Ye.G.

Improving the organization of mineral fertilizer transportation by collective and state farms. Zhel.dor.transp. 44 no.7:18-21 Jl '62. (MIRA 15:8)

(Fertilizers and manures—Transportation)

TIKHONCHUK, Yu.N., kand. ekonom. nauk

Concentration of freight operations and the freight rates.
Zhel. dor. transp. 45 no.5:42-45 My '63. (MIRA 16:10)

LIV'YANT, Yakov Aronovich; TIKHONCHUK, Yuriy Nikolayevich; ERLIKH, Moisey Davidovich; DLUGACH, B.A., red.; STRYZHKOVA, N.I., red. izd-va; GALAKTIONOVA, Ye.N., tekhn.red.

[Coordination of the work of the automotive and railroad transportation] Koordinatsiia raboty avtomobil'nogo i zheleznodorozhnogo transporta. Moskva, Avtotransizdat, 1963. 363 p. (MIRA 16:6)

(Transportation) (Freight and freightage)

LITVINOV, M.A., kand. tekhn. nauk; YANISHEVSKIY, F.V., kand. sel'-khoz. nauk; TIKHONCHUK, Yu.N., kand. ekon. nauk; CHERNIKOV, B.P., inzh.; BOGDANOV, V.M., inzh.; CHICHEVA, L.I., red.

[Mechanization of the placement of mineral fertilizers] Mekhanizatsiia vneseniia mineral'nykh udobrenii. Moskva, Kolos, 1965. 173 p. (MIRA 18:5)

TIKHONCHUK, Yu.N., kand.ekonom.nauk

Determination of the economic advantages of concentrating freight operations at a lesser number of stations. Zhel.dor.transp. 47 no.4:74-78 Ap '65. (MIRA 18:6)

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S/020/60/132/05/30/069
B011/B126

5.3831
5.3100

AUTHORS: Zefirova, A. K., Tikhomirova, N. N., Shilov, A. Ye.

TITLE: The Structure of Some Products of the Interaction of Aluminum Alkyls With Derivatives of Titanium (IV)

PERIODICAL: Doklady Akademii nauk SSSR, 1960, Vol. 132, No. 5, pp. 1082 - 1085

TEXT: The authors have extended their previously (Ref. 1) observed rule governing the spectra of paramagnetic electron resonance (PER) of the products of the reaction of tri-isobutylaluminum with dicyclopentadienyl-titanium dichloride, to other compounds. Thus they have been able to draw some conclusions on the structure of the reaction products. They analyzed the interaction of aluminum alkyls and aluminum aryls: $Al(C_2H_5)_3$, $Al(C_6H_5)_3$, $Al(Iso\text{-}C_3H_7)_3$, $Al(CH_3)_3$, $Al(Iso\text{-}C_4H_9)_3$, $Al(C_2H_5)_2Cl$, with derivatives of titanium (IV): $(C_5H_5)_2TiCl_2$, $(C_5H_5)_2TiBr_2$, $(C_5H_5)_2TiI_2$. With a reagent ratio of 1 : 1 in a toluenic

Card 1/4

The Structure of Some Products of the Interaction of Aluminum Alkyls With Derivatives of Titanium (IV)

S/020/60/132/05/30/069
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solution, similar PER signals were received in all cases. Their g-factor was 1.975. With lower concentrations of the reagents (under $1 \cdot 10^{-3}$ M/l), the signals have a characteristic appearance (Fig. 1), which can be explained by the presence of an undefined super-fine structure. It can be seen from the PER spectra of other Al/Ti ratios that all Al-alkyls and Al-aryls can be divided into two groups. The signals I (Fig. 1) for $Al(CH_3)_3$, $Al(C_6H_5)_3$, and $AlCl(C_2H_5)_2$ are not noticeably changed by a rising Al/Ti ratio. On the other hand, new signals form with the remaining Al-alkyls and -aryls, which have a well defined super-fine structure. On a change in these systems from an Al : Ti ratio of 1 : 1 to $\sim$ 20 : 1, the signals I change into signals II (Fig. 2a). This latter is a doublet with a g factor of 1.985. If the ratio is increased further to $\sim$ 50 : 1, signal II is converted into signal III. Here g = 1.988 and there are eight components. In the Al-alkyls of the second group, the form of signals II and III is as independent of the nature of the alkyl as it is from the nature of the halogen atom in titanium halide. The conversion I → II → III led the authors to suppose that the Al-alkyls

The Structure of Some Products of the Interaction of Aluminum Alkyls With Derivatives of Titanium (IV)

contain similar admixtures, whose quantity equates that of the titanium derivative when the Al/Ti ratio is raised, and which forms new complexes therewith. Such admixtures can be hydrides which easily form in the first group of substances analyzed, but which are totally absent in the second group. The authors tested and confirmed this hypothesis. In this case the doublet II can be explained by splitting on the hydrogen atom of the complex, which contains one molecule of $AlH(Iso\text{-}C_4H_9)_2$. It can be seen from Fig. 3a that signal III consists of some six equally intensive lines and two lines which are three to four times less intense. Here, the super-fine structure has a natural explanation: the molecule of the reaction product contains two H atoms from two molecules of the Al-hydride. Figs. 2b and 3b show the PER spectra of the products of the reaction of $AlD[CH_2CD(CH_3)_2]_2$ with $(C_5H_5)_2TiCl_2$. From this it follows that, due to the substitution of D for H, the super-fine structure completely disappears in both cases. The authors draw conclusions on the structure of the complex produced, from their results and from data in

Card 3/4

The Structure of Some Products of the Interaction of Aluminum Alkyls With Derivatives of Titanium (IV)

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the publications. They thank V. V. Voyevodskiy, Corresponding Member AS USSR for discussions, and O. P. Okhlobystin and V. V. Gavrilenko (Institut elementoorganicheskikh soyedineniy AN SSSR (Institute of Elemental-organic Compounds of the AS USSR)) for help in the syntheses. There are 3 figures and 4 references: 2 Soviet and 2 American.

ASSOCIATION: Institut khimicheskoy fiziki Akademii nauk SSSR (Institute of Physical Chemistry of the Academy of Sciences, USSR)

PRESENTED: February 1, 1960, by V.N. Kondrat'yev, Academician

SUBMITTED: January 29, 1960

4

Card 4/4

KULESH, P., traktorist; SINILA, G., traktorist; TIKHONCHUK, L., traktorist

Catch up with your friends. Sel'.mekh. no.3:8-9 '62.
(MIRA 15:3)

1. Kholkhoz imeni Frunze, Braginskiy rayon.
(Collective farms) (Agricultural machinery)

SHUKSTAL', Ya.V., kand. ekonom. nauk; VERKHOVSKIY, I.A., kand. ekonom. nauk; FOMIN, V.M., kand. ekonom. nauk; MEZENEV, N.I., inzh.; DMITRIYEV, V.I., kand. ekonom. nauk; PADNYA, V.A., inzh.; Prinimali uchastiye: ZOTIKOVA, V.I., kand. ekonom. nauk; YELISEYEVA, T.V., inzh.; KUBLITSKAYA, V.Kh., inzh.; KUDRYAVTSEVA, T.N., inzh.; MEZENEV, N.I., inzh.; TIKHONCHUK, M.K., inzh.; FEDOSOVA, V.N., tekhnik; DOBSHITS, M.L., red. izd-va; TIKHOMIROVA, S.G., tekhn. red.; LAUT, V.G., tekhn. red.

[Scope of the use of railroads and motorvehicles for short-distance freight haulage] Sfery primeneniia zheleznodorozhnogo i avtomobil'nogo transporta pri perevozke gruzov na korotkie rasstoianiia. Moskva, Izd-vo Akad. nauk SSSR, 1961. 197 p. (MIRA 15:2)

1. Akademiya nauk SSSR. Institut kompleksnykh transportnykh problem.
(Transportation,Automotive) (Railroads--Freight)

TIKHONCHUK, Yu., kand.ekon.nauk, starshiy nauchnyy sotrudnik

Sidetracks or motortrucks. Avt.transp. 40 no.9:17-18 S '62. (MIRA 15:9)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut zheleznodorozhnogo transport Ministerstva putey soobshcheniya.
(Moscow Province--Transportation, Automotive)

TIKHONCHUK, Yu.N., kand.ekonom.nauk

Material responsibility in the cooperative use of the means of transportation. Zhel.dor.transp. 44 no.3:68-72 Mr '62. (MIRA 15:3)
(Railroads--Joint use of facilities)

TIKHONCHUK, Yu.N., kand.ekonomicheskikh nauk

Methods of determining the settlement rates in the cooperation of industrial enterprises in transportation. Trudy TSNII MPS no. 196 60-70 '60. (MIRA 14:5)
(Railroads, Industrial—Accounting)

TIKHONCHUK, Yu.N., kandidat ekonomicheskikh nauk.

Compact loading of trucks on flatcars. Zhel.dor.transp.38 no.12:67 D '56. (MLRA 10:2)

(Railroads--Cars)

TIKHONCHUK, Yu.N., kand. ekon. nauk.

Introducing efficiency into rerouting small shipments at the shipping stations. Trudy MTBI no.9:64-87 '58. (MIRA 11:5)
(Railroads freight)

PEREPON, V.P., inzh., prepodavatel', (g.Ukhta), TIKHONCHUK, Yu.N., kand. ekon.nauk

Merits and shortcomings of a textbook on the organization of freight operations ("Organization of freight transportation and commercial operations on railroads" by E.P.Vyletnikova, N.I.Pykhov. Reviewed by V.P.Perepon, IU.N.Tikhonchuk). Zhel.dor.transp. 42 no.12:89-91 D '60. (MIRA 13:12)

1. Pechorskiy tekhnikum zheleznodorozhnogo transporta (for Perepon).
(Railroads--Freight) (Vyletnikova, E.P.)
(Pykhov, N.I.)

TIKHONCHUK, Yuriy Nikolayevich; KANSHIN, Mikhail Dmitriyevich; SOBOLEV, Samson Rodionovich; GAVRILOVA, Yu.P., redaktor; BOBROVA, Ye.N., tekhnicheskiy redaktor

[Experience in organizing the transportation of small packages] Opyt organizatsii perevozok gruzov melkimi otpravkami. Moskva, Gos.transp.zhel-dor.izd-vo, 1957. 91 p. (MLRA 10:7)
(Railroads--Freight)

DERIBAS, Andrey Terent'yevich; TIKHONCHUK, Yuriy Nikolayevich; GORDON, M.D., kand. tekhn.nauk, retsenzent; PREDE, V.Yu., inzh., red.; KHITROVA, N.A., tekhn. red.

[Organization of freight and commercial operations; collected problems and excercises in the management of railroads] Organizatsiia gruzovoi i kommercheskoi raboty; sbornik zadach i uprazhnenii po kommercheskoi ekspluatatsii. Moskva, Vses. izdatel'sko-poligr. ob"edinenie M-va putei soobshcheniia, 1961. 164 p. (MIRA 14:12)
(Railroads--Management)

BARKOV, N.N., kand.ekon.nauk; TIKHONCHUK, Yu.P., kand.ekon.nauk

Effectiveness of an increase in car load. Vest.TSNII MPS 18 no.6:40-42 S '59. (MIRA 13:2)
(Railroads--Freight)

TIKHONCHUK, Yu.P.

Book about transportation of container-packed cargoes. ("River transportation of freight in general duty containers" by V.G.Platov. Reviewed by IU.P.Tikhonchuk). Rech.transp.16 no.7:39-40 Jl '57. (MLRA 10:9)

(Inland water transportation) (Platov, V.G.)

TIKHONCHUK, Yu., kand. ekon. nauk

Irrational shipment of goods and unnecessary costs. Sov. torg. 33 no.12:8-10 D '59. (MIRA 13:2)
(Shipment of goods)

ORESHKIN, D., inzh.; TIKHONENKO, A.

Untapped resources in the oils and fats industry of Uzbekistan.
Masl.-zhir.prom. 25 no.11:5-6 '59. (MIRA 13:3)

1. Uch-Kurganskiy maslоekstraktsionnyy zavod.
(Uzbekistan--Oil industries)

TIKHONENKO, A.

Outrunning the time. NTO 5 no.8:18-20 Ag '63. (MIRA 16:10)

1. Uchenyy sekretar' soveta nauchno-tekhnicheskogo obshchestva zavoda "Russkiy dizel'."

UTKINA, K.S.; [illegible], A.B.

Formation of the system of motor cycles in man. Nerv. sist. no.1: 93-99 '64. (MIRA 18:3)

1. Laboratoriya fiziologii truda Leningradskogo gosudarstvennogo universiteta.

KHUDYAKOV, I.F.; TIKHONOV, A.I.; RYBNIKOV, V.I.; Prinimali uchastiye: POD'YACHEV, Yu. A., inzh.; BAYBULOV, D.Kh., inzh.; OSOKIN, V.V., inzh.

Copper balance in the metallurgical production of the Karabash Mining and Metallurgical Combine. Sbor. nauch. trud. Ural. politekh. inst. no. 134:14-22 '63. (MIRA 17:1)

ACCESSION NR: AP4037262 S/0208/64/004/003/0564/0571

AUTHOR: Tikhonov, A. N. (Moscow); Glasko, V. B. (Moscow)

TITLE: An approximate solution of Fredholm integral equations of the first kind

SOURCE: Zhurnal vy*chislitel'noy matematiki i matematicheskoy fiziki, v. 4, no. 3, 1964, 564-571

TOPIC TAGS: regularization method, Fredholm integral equation, first kind integral equation, Fredholm equation approximate solution, error estimate

ABSTRACT: The effectiveness of the regularization method developed by A. N. Tikhonov (DAN SSSR, v. 151, no. 3, 1963, 501-504, and v. 153, no. 1, 1963, 49-52) for the approximate solution of the Fredholm integral equation of the first kind (incorrectly defined problem) is presented as applied to the following form of the equation

Card 1/3

ACCESSION NR: AP4037262

$$A[x,z] \equiv \int_{-1}^{+1} K(x,s)\bar{z}(s)ds = \bar{u}(x), \quad -l \leq x \leq l,$$

$$K(x,s) = \frac{1}{\pi} \frac{h}{(x-s)^2 + h^2} \quad (h = 1),$$

which is encountered in the solution of the inverse problems of the potential theory and in problems of spectroscopy. According to this method the approximations of $\{z^{\alpha}(s)\}$ are sought as functions minimizing a certain functional $M^{\alpha}[z,\bar{u}(x)]$ containing parameter α. The sequences of regularized approximations $z^{\alpha}(s)$ for $\alpha \to 0$ values are presented in a table and graph. It is shown that the best approximation is obtained for $\alpha = 5 \times 10^{-9}$. The function $z(s)$ is

Card 2/3

ACCESSION NR: AP4037262

determined with the accuracy of two significant figures. The problem of determining z(s) from the approximate value $\tilde{u}(x)$ with an approximation error δ is studied. The effect of δ on the selection of α for the best approximation of z(s) is analyzed. Graphs representing the dependence of the approximation error ε for the $\bar{z}(s)$ on the α in the interval $10^{-4} > \alpha \geq 5 \cdot 10^{-9}$ are presented. A comparison of the best approximations corresponding to various values of δ with the exact solution $\bar{z}(s)$ is made in the form of graphs. It is shown that the length of the interval $-l \leq x \leq l$ affects the accuracy of the solution $\bar{z}(s)$. With a decrease in the length of the interval the error ε increases for every given value of α.

ASSOCIATION: none

SUBMITTED: 03Mar64 DATE ACQ: 09Jun64 ENCL: 00

SUB CODE: MA NO REF SOV: 002 OTHER: 000

Card 3/3

ACCESSION NR: AP4036714 S/0020/64/156/002/0268/0271

AUTHOR: Tikhonov, A. N. (Corresponding member)

TITLE: On stable methods of summation for Fourier series

SOURCE: AN SSSR. Doklady*, v. 156, no. 2, 1964, 268-271

TOPIC TAGS: Fourier series, stable method, Fourier coefficient, Green function

ABSTRACT: The purpose of this paper is to determine approximately the function $\bar{f}(x)$ at the point x_0 by $\tilde{f} = \{\tilde{f}_n\}$, with the approximate value of the coefficients of the Fourier function $\bar{f}(x)$ in a metric ℓ_2: $\tilde{f}_n = \bar{f}_n + \Delta_n$, where $\bar{f} = \{\bar{f}_n\}$ -- the accurate values of coefficients of the Fourier function $\bar{f}(x)$ and $\Delta = \{\Delta_n\}$ -- of the error $\left(|\Delta|_{\ell_2} = \left(\sum \Delta_n^2\right)^{1/2} \leq \delta\right)$. This is based on an assumed function $\bar{F}(x)$ $(a \leq x \leq b)$ and an arthonormalized system $\{u_n(x)\}$ of eigen functions of the marginal problem

$$L(u) = \frac{d^2u}{dx^2} - q^2(x)\,u = -\lambda u \quad (a \leq x \leq b),\ u(a) = u(b) = 0 \quad (0 \leq q^2(x) \leq M)$$

Card 1/2

ACCESSION NR: AP4036714

The proposed method is stable in the sense of the given problem. By means of mathematical arguments including theorems and lemmas, the author has arrived at the following conclusion: by using regularizations of the n-th order of smoothness, methods for a uniform approximation of the derivatives of f(x) may be obtained from $\tilde{f}(x)$, which approximates f(x) within the L_2 norm. Orig. art. has: 3 equations.

ASSOCIATION: none

SUBMITTED: 08Feb64 DATE ACQ: 03Jun64 ENCL: 00

SUB CODE: MA NO REF SOV: 002 OTHER: 000

Card 2/2

TIKHONENKO, M.M.

Treatment of acute suppurative diseases of the hand by intra-osseous introduction of antibiotics in a novocaine solution. Vest. khir. 70 no.6:105-106 Je'63 (MIRA 16:12)

1. Iz khirurgicheskogo otdeleniya (zav. - M.M. Tikhonenko, nauchnyy rukovoditel' - prof. V.I.Kolesov) Krasnosel'skoy gorodskoy bol'nitsy.

KRISS, A. E.; MUKINA, E. A.; TIKHONENKO, A. A.
A.S.

Biomass of Microorganisms on the Bottom of the Sulphurhydrate Region of the Black Sea, (Institute of Microbiology and the Sevastopol Biological Station, U.S.S.R. Academy of Sciences), Doklady Akademii Nauk S.S.S.R., 1950, Vol 75, No. 3, pp 453-456.

Institute of Microbiology, U.S.S.R. Academy of Sciences, Central State Scientific Controlling Institute imeni Tarasevich, Moscow.

TIKHONENKO, A.S.

RUKINA, Ye.A.; TIKHONENKO, A.S.

Comparative evaluation of culture on slides in Petri's dishes and method of culture on membranous ultrafilters in bacterilogical investigation of water. Trudy Inst.mikrobiol. no.2:180-187 '52. (MLRA 5:12)

(WATER, bacteriology,
determ., Petri's dish & membrane ultrafilter technics, comparison)
(BACTERIA,
in water, determ., Petri's dish & membrane ultrafilter technics, comparison)

KRISS, A. YE., RUKINA, YE. A.,
TIKHONENKO, A. S.

KRISS, A. YE., RUKINA, YE. A.,
TIKHONENKO, A. S.

Yeast

Distribution of yeast organisms in the sea. Zhur. ob. biol. 13 no. 3, 1952.

9. Monthly List of Russian Accessions, Library of Congress, September 1953, Uncl.

TIKHONENKO, A. S.

USSR/Biology (Microbiology) - Bacteriophage 11 Sep 52

"The Structure of Bacteriophage Particles," A. Ye. Kriss, A.S. Tikhonenko

"Dok Ak Nauk SSSR" Vol 86, No 2, pp 421-423

On the basis of electron-microscopic photographs of Bacillus mycoides bacteriophage and Bact. lactis aerogenes bacteriophage, conclude that the tail of the bacteriophage particle consists of a chain of little spheres (spirally wound sphere-shaped protein macromols), and that the head is similar in structure to the tail, except that the large sphere. Photographs included.

235T12

235T12

TIKHONENKO, [illegible]

USSR/Biology - Phages Jan/Feb 53

"Electronic Microscope Observations of the Effects of Actinophage on the Lysis of Actinomycetes," Ya. I. Rautenshtein, A. S. Tikhonenko, V. I. Biryuzova, M. M. Zolkover, Inst of Microbiol Acad Sci USSR

Mikrobiol, Vol 22, No 1, pp 11-14

Authors describe their research on the morphology and action of actinophage, support their statements by microphotographs, and assert that their observations showed that hyphae derived from the same mycelium may react in a different manner to actinophage. Phage-resistant cultures form as a result of qualitative changes in certain sections of the mycelium. These findings, according to authors, confirm Lysenko's statement that, in the process of a transmutation of the old into the new, the change affects only individual sections of the cell and not the cell as a whole.

255T7

255T7

TIKHONENKO, A.S

KRISS, A.Ye.; TIKHONENKO, A.S.

Effect of high pressure on uncoiling of the spiral forming the head of bacteriophage. Doklady Akad. nauk SSSR 93 no.2:353-356 11 Nov 1953. (CIML 25:4)

1. Presented by Academician A. I. Oparin 24 September 1953. 2. Laboratory of Electronic Microscopy, Division of Biological Sciences, Academy of Sciences USSR.

Tikhonenko, A. S.

KRISS, A.Ye.; TIKHONENKO, A.S.

Effect of high pressures on corpuscles of various phages. Mikrobiologiia 24 no.6:677-680 N-D '55. (MLRA 9:4)

1. Laborotoriya elektronnoy mikroskopii pri Otdelenii biologicheskikh nauk AN SSSR, Moskva.
(BACTERIOPHAGE,
eff. of high pressure)

TIKHONENKO, A. S.

USSR/ Biology - Microbiology

Card 1/1 Pub. 22 - 47/51

Authors : Kriss, A. E.; Biryuzova, V. I.: Tikhonenko, A. S.; and Lambina, V. A.

Title : The microbe population in the North Pole region

Periodical : Dok. AN SSSR 101/1, 173-176, Mar 1, 1955

Abstract : Data are presented on the microbiological processes of mineralization of organic matter and conversion of biogenous compounds which create the possibility for the existence of animal and plant life. The data on the microbe population of the North Pole were collected by the Microbiological Research Station attached to the so-called drifting Scientific Expedition North Pole 3. Four USSR references (1938-1952). Table; drawing.

Institution : Acad. of Sc., USSR, Institute of Microbiology

Presented by : Academician A. I. Oparin, December 4, 1954

Name: TIKHONENKO, A. S.

Dissertation: An electron microscope study of the structure of different phages

Degree: Cand Biol Sci

defended at publication ~~Affiliation~~: Acad Sci USSR, Inst of Microbiology

~~Defense~~ Date, Place: 1956, Moscow

Source: Knizhnaya Letopis', No 45, 1956

Tikhonenko, A.S.

USSR / Virology. Bacterial Viruses E-1

Abs Jour : Ref Zhur - Biol., No 1, 1958, No 441

Author : Tikhonenko, A.S.

Inst : Not Given

Title : Morphological Changes in the Protoplast of the Bacterial Cell in the Phagolysis Process

Orig Pub : Mikrobiologiya, 1957, 26, No 1, 31-34

Abstract : The morphological changes in the protoplast of the cell of Bacillus mycoides in phagolysis was studied with the electron microscope. The preparations were made by the method of I.S. Pokotinsky, A.S. Krivisky and T.Ya. Luzyanina (J. microbiol., epidemiol. and immunol., 1951, No 9, 19). Ten electronoscopic photographs are shown, which illustrate the protoplast condition and the structure of phage corpuscles at different stages of phagolysis. In single preparations there can be seen, along with accumulation of phage particles at different stages of development, sections which consist of threadlike elements from which,

Card : 1/2

USSR/Virology - Bacterial Viruses (Bacteriophages).

Abs Jour : Ref Zhur - Biol., No 12, 1958, 52568

Author : Kriss, A.Ye., Tikhonenko, A.S.

Inst : -

Title : Structure of Bacteriophage Corpucle and Its Lytic Activity

Orig Pub : Uspekhi sovren. biol., 1957, 44, No 1, 121-126.

Abstract : Electron-photomicrographs of normal as well as deformed particles of bacteriophages of Streptococcus lactis, Bacillus mycoides, Staphylococcus aureus and actinophage of Actinomyces globisporus are presented, as well as photographs of location of phage particles in relation to asbestos threads. Based on the analysis of such photographs, the authors disagree with the comonly accepted viewpoint, in accordance with which the phage particles have an envelope and are adsorbed on the surface of sensitive cells by their protuberances, the contents of the head being transferred into the bacterial cell through

Card 1/2

AUTHORS: Kriss, A. Ye., Tikhonenko, A. S., Biryuzova, V. I. 20-119-4-51/60

TITLE: Ultramicroscopic Formations Discovered in Sea and Ocean Depths (Ul'tramikroskopicheskiye obrazovaniya, obnaruzhennyye v morskikh i okeanicheskikh glubinakh)

PERIODICAL: Doklady Akademii Nauk, SSSR, 1958, Vol. 119, Nr 4, pp 809 - - 811 (USSR)

ABSTRACT: Only electronic microscopy made it possible to observe directly albumin particles of a size of some dozens millimicrons or even some dozens Ångströms. As in publications no experiments of the kind, as mentioned in the title, could be found, the authors performed this work. Samples from the Black Sea and the Pacific Ocean(Kurilo-Kamchatskaya Basin), taken by bathometers from depths from 0 to 7500 m served for the investigation. The method of the production of the preparation is described. Salt crystals can be well distinguished under the electronic microscope. Beside crystals about 6 to 7 kinds of mostly round ultramicroscopic formations, 15 - 1000 mμ from various depths (fig. 1) were found. Their concentration in the depths was considerable. The nature of all these round formations, which have a kind of structure and organization, is not yet clear. Some

Card 1/2

of them are quite similar to the virus particles. Whether they are so-called saprophytic viri or structures of the coacervate type which form from organic substance dissolved in the sea water, is not known - in any case they cannot be regarded as an example for the primary formation of life from a lifeless material on the earth. For such an opinion all actual reasons are missing, as A. I. Oparin (reference 1o) correctly remarks. There are 1 figure, 16 references, 1o of which are Soviet.

ASSOCIATION: Laboratoriya elektronnoy mikroskopii pri Otdelenii biologicheskikh nauk Akademii nauk SSSR (Laboratory for Electronic Microscopy of the Department for Biological Sciences AS USSR)

PRESENTED: January 4, 1958, by A. I. Oparin, Member, Academy of Sciences AS USSR

SUBMITTED: January 2, 1958

TIKHONENKO, A.S.; EL'PINER, I.Ye.

Electron microscope study of the phagolysate of Bacillus mycoides following exposure to ultrasonic waves. Biofizika 4 no.5:610-614 '59. (MIRA 14:6)

1. Institut biologicheskoy fiziki AN SSSR, Moskva i Laboratoriya elektronnoy mikroscopii AN SSSR, Moskva.
(BACILLUS MYCOIDES) (BACTERIOPHAGE)
(ULTRASONIC WAVES—PHYSIOLOGICAL EFFECT)

LESHEVAL'YE; TIKHONENKO, A.S.

Effect of the conditions of nutrition on the surface structure of spores in actinomycetes. Mikrobiologiia 29 no.1:43-50 Ja-F '60. (MIRA 13:5)

1. Institut mikrobiologii Rutgerskogo universiteta, N'yu-Brunsvik, N'yu-Dzhersi, SShA, Institut mikrobiologii AN SSSR, Moskva i laboratoriya elektronnoy mikroskopii AN SSSR, Moskva.
(ACTINOMYCES culture)

TIKHONENKO, A.S.; KUIMOVA, T.F.

Effect of fixation on the morphology of the phage of Bacillus mycoides. Mikrobiologiia 29 no.3:395-400 My-Je '60. (MIRA 13:7)

1. Laboratoriya elektronnoy mikroskopii AN SSSR.
(BACILLUS MYCOIDES) (BACTERIOPHAGE)

TIKHONENKO, A. S., KRIVISKIY, A. S., and TIKHONENKO, T. I. (USSR)

"Inherited in vitro Radiation Changes in Phages."

Report presented at the 5th International Biochemistry Congress, Moscow, 10-16 Aug 1961

TIKHONENKO, A.S.

Comparative study of the morphology and phage particles by shading and negative contrasting in phosphotungstic acid. Biofizika 6 no.3:372-373 '61. (MIRA 14:6)

1. Institut radiatsionnoy i fiziko-khimicheskoy biologii AN SSSR, Moskva.

(BACTERIOPHAGE) (ELECTRON MICROSCOPY)

TIKHONENKO, A.S.; BESPALOVA, I.A.

Two forms of Bacillus mycoides phage. Mikrobiologiia 30 no.5:867-870 S-O '61. (MIRA 14:12)

1. Institut radiatsionnoy i fiziko-khimicheskoy biologii AN SSSR.
(BACTERIOPHAGE) (BACILLUS MYCOIDES)

TIKHONENKO, A.S.

The fine structure of the phage of Bacillus mycoides. Dokl.AN SSSR 138 no.6:1449-1452 Je '61. (MIRA 14:6)

1. Institut radiatsionnoy i fiziko-khimicheskoy biologii AN SSSR. Predstavleno akademikom V.A.Engel'gardtom.
(BACILLUS CEREUS) (BACTERIOPHAGE)

TIKHONENKO, A.S.

Structural elements of a phage corpuscle. Biofizika, 7 no.2: 247-249 '62. (MIRA 16:8)

1. Institut radiatsionnoy i fiziko-khimicheskoy biologii AN SSSR, Moskva)

(BACTERIOPHAGE)

RAUTENSHTEYN, Ya.I.; TIKHONENKO, A.S.; RETINSKAYA, V.I.

Electron microscope study of the actinophages in a lysogenic Act. erythreus culture. Mikrobiologiia 31 no.1:49-53 Ja-F '62. (MIRA 15:3)

1. Institut mikrobiologii AN SSSR i Institut radiatsionnoy fiziko-khimicheskoy biologii AN SSSR.
(BACTERIOPHAGE) (ACTINOMYCES)
(ELECTRON MICROSCOPE)

TIKHONENKO, A.S.; POGLAZOV, B.F.

Adenosinetriphosphatase activity of various phages. Dokl.AN SSSR 145 no.1:218-221 Jl '62. (MIRA 15:7)

1. Institut radiatsionnoy i fiziko-khimicheskoy biologii AN SSSR. Predstavleno akademikom V.A.Engel'gardtom.
(BACTERIOPHAGE) (ADENOSINETRIPHOSPHATASE)

POGLAZOV, B.F., TIKHONENKO, A.S., ENGEL'GARDT, V.A., akademik

Effect of ATP on the passage on DNA from a bacteriophage. Dokl. AN SSSR 145 no.2:450-452 JL '62. (MIRA 15:7)

1. Institut radiatsionnoy i fiziko-khimicheskoy biologii AN SSSR.
(ADESINE TRIPHOSPHATE) (NUCLEIC ACIDS) (BACTERIOPHAGE)

BIRYUZOVA, Valentina Ivanovna; BOROVYAGIN, Valeriy Leonidovich; GILEV, Vladimir Petrovich; KISELEV, Nikolay Andreyevich; TIKHONENKO, Anna Sergeyevna; CHENTSOV, Yuriy Sergeyevich; FRANK, G.M., otv. red.

[Electron microscopic methods in studying biological objects] Elektronnomikroskopicheskie metody issledovaniia biologicheskikh ob"ektov. [By] V.I.Biriuzova i dr. Moskva, Izd-vo AN SSSR, 1963. 203 p. (MIRA 17:5)

1. Chlen-korrespondent AN SSSR (for Frank). 2. Institut radiatsionnoy i fiziko-khimicheskoy biologii AN SSSR (for Biryuzova). 3. Institut kristallografii AN SSSR (for Kiselev). 4. Laborat - riya elektronnoy mikroskopii AN SSSR (for Gilev). 5. Institut morfologii zhivotnykh AN SSSR (for Chentsov). 6. Institut biologicheskoy fiziki AN SSSR (for Borovyagin).

BESPALOVA, I. A.; TIKHONENKO, A. S.

"The membrane structures of bacterial cells."

report submitted to 3rd European Regional Conf, Electron Microscopy, 26 Aug-3 Sep 64.

TIKONENKO, A. S.; BESPALOVA, I. A.; KRIVISKIY, A. S.

"Electron microscopy studies of RNA phage MS2 and its reproduction in bacterial cells."

report submitted to 3rd European Regional Conf, Electron Microscopy, Prague, 26 Aug-3 Sep 64.

TIKHONENKO, [illegible], BEGRAM, [illegible]

Method of preserving the fine structure of phage-infected bacteria in ultrathin sections. Mikrobiologiia 33 no.2: 353-356 Mr-Ap '64. (MIRA 17:12)

1. Institut radiatsionnoy i fiziko-khimicheskoy biologii AN SSSR.

TIKHOMIROVA, A.S.; [illegible]

Effect of various agents on the "red" phase. Mikrobiologiia 33 no.5:824-830 S-O '64. (MIRA 18:3)

1. Institut radiatsionnoy i fiziko-khimicheskoy biologii AN SSSR.

TIKHONENKO, A.S.; BIRYUZOVA, V.M.

Vladimir Aleksandrovich Engel'gardt, 1894- ; on his 70th birthday. Mikrobiologiia 34 no.1:189 Ja-F '65. (MIRA 18:7)

IL'YASHENKO, B.N.; TIKHONENKO, A.S.; DITYATKIN, S.Ya.; RUDCHENKO, O.N.

Biological properties of small enteric phages containing DNA. Mikrobiologiia 34 no.5:814-819 S-O '65. (MIRA 18:10)

1. Institut epidemiologii i mikrobiologii imeni N.F. Gamaleya AMN SSSR i Institut radiatsionnoy i fiziko-khimicheskoy biologii AN SSSR.

AUTHOR:

SOURCE: AN SSSR. Doklady, v. 160, no. 3, 1965, 704-706

TOPIC TAGS: bacteriophage, ribonucleic acid

Card

ACCESSION NR: AP5005[illegible]

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NO REF SOV: 001

Card 2/2